

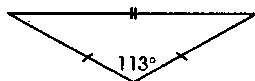
# UNIT 4 WORKSHEET 5

**SHOW ALL YOUR WORK!!!**

## TARGET A

Classify the triangles according to their **sides** and **angles**.

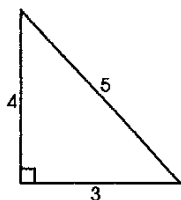
1.)



side \_\_\_\_\_

angle \_\_\_\_\_

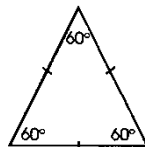
2.)



side \_\_\_\_\_

angle \_\_\_\_\_

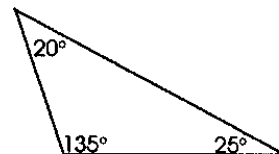
3.)



side \_\_\_\_\_

angle \_\_\_\_\_

4.)

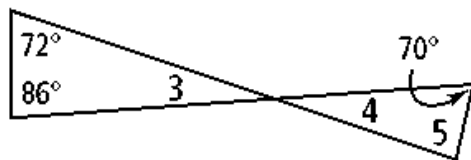


side \_\_\_\_\_

angle \_\_\_\_\_

## TARGET B

5.) Find the measure of the missing angles.



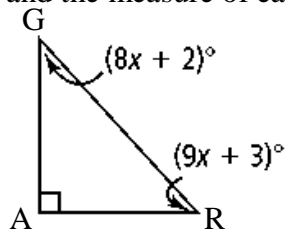
$m\angle 3 =$  \_\_\_\_\_

$m\angle 4 =$  \_\_\_\_\_

$m\angle 5 =$  \_\_\_\_\_

Find  $x$  and the measure of each angle.

6.)

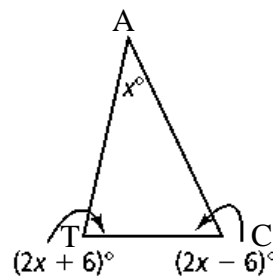


$x =$  \_\_\_\_\_

$m\angle G =$  \_\_\_\_\_

$m\angle R =$  \_\_\_\_\_

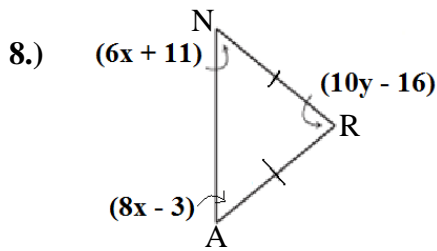
7.)



$x =$  \_\_\_\_\_

$m\angle C =$  \_\_\_\_\_

$m\angle T =$  \_\_\_\_\_



$$x = \underline{\hspace{2cm}}$$

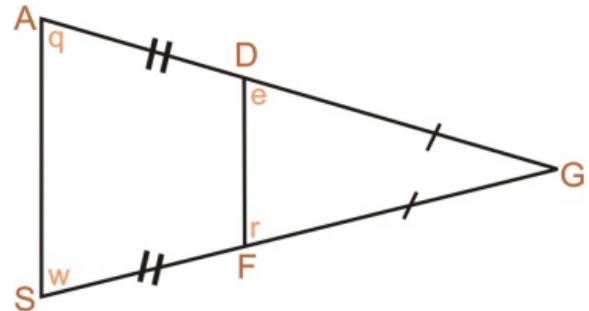
$$m\angle N = \underline{\hspace{2cm}}$$

$$m\angle R = \underline{\hspace{2cm}}$$

7.) Fill in the blanks with the appropriate pair of angles or segments.

If  $\overline{GF} \cong \overline{GD}$ , then  $\angle \underline{\hspace{1cm}} \cong \angle \underline{\hspace{1cm}}$

If  $\angle q \cong \angle w$ , then  $\underline{\hspace{1cm}} \cong \underline{\hspace{1cm}}$

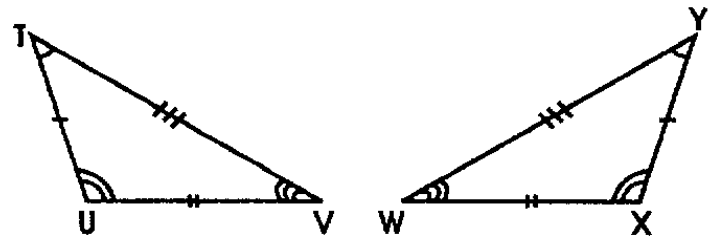


#### TARGET D

For #1 – 3, use the picture at the right.

10.) Name the angles that are congruent:  
 $\angle U \cong \underline{\hspace{1cm}}$      $\angle T \cong \underline{\hspace{1cm}}$      $\angle V \cong \underline{\hspace{1cm}}$

11.) Name the sides that are congruent:  
 $\overline{TU} \cong \underline{\hspace{1cm}}$      $\overline{TV} \cong \underline{\hspace{1cm}}$      $\overline{UV} \cong \underline{\hspace{1cm}}$



12.) Complete the following congruence statement:  $\triangle TUV \cong \underline{\hspace{2cm}}$

If  $\triangle CAT \cong \triangle FUN$

REMEMBER: When in doubt, draw it out!

13.) Which angle corresponds to  $\angle A$ ? Write your answer in the blank provided.

- A.)  $\angle F$                       B.)  $\angle T$   
 C.)  $\angle U$                       D.)  $\angle N$

Answer  $\underline{\hspace{2cm}}$

14.) Which side corresponds to  $\overline{TC}$ ? Write your answer in the blank provided.

- A.)  $\overline{UF}$                       B.)  $\overline{NT}$   
 C.)  $\overline{UN}$                       D.)  $\overline{NF}$

Answer  $\underline{\hspace{2cm}}$